

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	2	"20010030476"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/10/29 11:52
L35	7	"5134328"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/10/29 12:57
L36	9	"6495941"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/10/29 12:59
L37	11	"5183991"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/10/29 13:44
S2	2	"6729764".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:28
S3	2	"6204583".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:29
S4	2	"4604665".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:29

S5	2	"7023116".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:29
S9	5238	"310".clas. and spacer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:41
S10	2011	S9 and magnet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:41
S11	1487	S10 and shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:41
S12	986	S10 and shaft and coil	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:42
S13	16	S10 and shaft and coil and tw	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:42
S14	346	310/90.ccls. and spacer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 09:49
S15	2383	310/67r.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 10:05

S16	1516	S15 and bearing\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 10:06
S17	211	S15 and bearing\$3 and washer\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 10:07
S18	3572	horng.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 10:07
S19	149	S18 and "310".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 10:07
S20	2515	310/90.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 10:25
S21	1525	310/91.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 10:26
S22	111	S21 and spacer	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 10:26
S23	32	("1843628"   "2479349"   "2633393"   "3004782"   "3702704"   "3975026"   "4209722"   "4519010"   "4535373").PN. OR ("4996613").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 10:43
S24	853	"310".clas. and (ball or roller) near bearing\$3 and spacer\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 10:47
S25	11	("5012359"   "5499901"   "5834870"   "5859745"   "5909339").PN. OR ("6356408").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 12:41

S26	27	("4528485"   "4535276"   "4578606"   "4605874"   "4626727"   "4633149"   "4707645").PN. OR ("4858044").URFN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 12:53
S27	2383	310/67r.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 13:17
S28	213	S27 and spacer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 13:17
S29	68	chou.in. and "310". clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:12
S30	3	"310".clas. and (pressed metal plate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:39
S31	1919	"310".clas. and (metal plate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:39
S32	452	S31 and (sleeve or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:40
S33	21	crapo.in. and "310". clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:45

S34	5238	"310".clas. and spacer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:53
S35	2300	S34 and bearing\$3 and shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:53
S36	1153	S35 and (washer or spring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/01 14:53
S37	21	("3335942"   "3728563"   "3990141"   "4471246"   "4480206"   "4550814"   "4598220"   "4612468"   "4613778"   "5013957"   "5073735"   "5258672"   "5274289"   "5562347"   "5719454"   "6144135"   "6271611"   "6617736"   "6819021"   "6876112").PN. OR ("7230357").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 15:23
S38	21	("3335942"   "3728563"   "3990141"   "4471246"   "4480206"   "4550814"   "4598220"   "4612468"   "4613778"   "5013957"   "5073735"   "5258672"   "5274289"   "5562347"   "5719454"   "6144135"   "6271611"   "6617736"   "6819021"   "6876112").PN. OR ("7230357").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 16:05
S39	872	(motor.ti. or motor.ab.) and spacer near2 (shaft or bearing\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 16:10

S40	22	S39 and spacer near2 (protrusion or flange)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 16:11
S41	495	310/90.ccls.	US-PGPUB	ADJ	OFF	2008/07/01 16:15
S42	2020	310/90.ccls.	USPAT	ADJ	OFF	2008/07/01 16:18
S43	3	("4968910"   "6498412"   "6720694").PN. OR ("7342336").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 17:00
S44	4	("4130770"   "5834870"   "6340854").PN. OR ("6538355").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 17:22
S45	4	("5729404"   "6135641"   "6229664").PN. OR ("6342743").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/01 17:28
S46	1525	310/91.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 17:46
S47	14	S46 and wave (washer or spring)	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 17:46
S49	4824	spacer near2 (metal or steel)	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 17:56
S50	66	spacer near2 (metal or steel) and "310".clas.	US-PGPUB; USPAT	ADJ	OFF	2008/07/01 17:56
S52	457	310/67r,90,91.ccls. and spacer	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 08:22
S58	2383	310/67r.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/02 11:00
S59	975	S58 and circuit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/02 11:00
S60	441	S58 and circuit board	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/02 11:00

S61	201	S60 and metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/02 11:05
S62	105	S61 and press	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/02 11:05
S63	2515	310/90.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 11:48
S64	235	S63 and gear	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 11:48
S65	23	S64 and spacer and gear	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 11:49
S66	23	S63 and spacer and gear	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 11:50
S67	6	S63 and spacer and pinion	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 11:50
S68	9	310/91.ccls. and spacer and gear	US-PGPUB; USPAT	ADJ	OFF	2008/07/02 11:52
S72	2	"20060181168".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/07 10:00
S73	1525	310/91.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 15:22
S74	21	S73 and spring near2 bearing\$3	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 15:22
S75	253	S73 and spring and bearing\$3	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 15:23
S76	16	("1610726"   "1665097"   "2648790"   "2738122"   "3253776"   "3369136"   "4069435").PN. OR ("4632644").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/07 15:33
S77	15	("1373929"   "3281192"   "4632644"   "4869649").PN. OR ("5160247").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/07 15:39

S78	871	310/90.ccls. and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/07/07 16:08
S79	468	310/90.ccls. and spring	USPAT	ADJ	OFF	2008/07/07 16:08
S80	33	("3234418"   "3508327"   "3684907"   "3701911"   "3711732"   "3906164"   "4076989"   "4107559"   "4255681").PN. OR ("4471246").URF.N.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/07 16:21
S82	331	310/67r.ccls. and spring	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 17:20
S83	35	310/75a.ccls. and spring	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 17:55
S84	51	310/75a.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 17:56
S85	499	310/90.ccls. and spring \$3	USPAT	ADJ	OFF	2008/07/07 17:57
S86	44	bearing.ti. and (high near carbon near chromium near steel)	USPAT	ADJ	OFF	2008/07/07 18:29
S87	1944	"310".clas. and (stainless near steel) and (rotor or housing)	USPAT	ADJ	OFF	2008/07/07 18:39
S88	102	"310".clas. and (stainless near steel) near2 (rotor or housing)	USPAT	ADJ	OFF	2008/07/07 18:39
S89	126	"310".clas. and (stainless near steel) near2 (rotor or housing)	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 18:39
S90	195	("310".clas. or "29". clas.) and (stainless near steel) near2 (rotor or housing)	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 18:43
S91	0	("310".clas. or "29". clas.) and (stainless near steel) near2 (rotor or housing) near "400"	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 18:58
S92	40	("310".clas. or "29". clas.) and (stainless near steel)near "400"	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 18:58



S93	15	("310".clas. or "29". clas.) and (stainless near steel)near "400" and (motor or rotor)	US-PGPUB; USPAT	ADJ	OFF	2008/07/07 19:00
S95	4	((DONALD) near2 (HARGRAVES)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/08 09:03
S96	25	((DOUGLAS) near2 (CURTIS)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/07/08 09:03
S101	3	"6822354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/11/07 16:36
S102	20	("3614495"   "3676725"   "4017964"   "4829208"   "5008573"   "5144183"   "5252873").PN. OR ("5497040").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/11/07 16:48
S103	3246	310/90.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/07 14:26
S104	5029	310/90,91.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/07 14:26
S105	168	S104 and expansion same coefficient\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/07 14:27
S106	1	"20010030476"	US-PGPUB	ADJ	OFF	2009/03/07 15:32
S107	34	("3234418"   "3508327"   "3684907"   "3701911"   "3711732"   "3906164"   "4076989"   "4107559"   "4255681").PN. OR ("4471246").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:30
S108	19	("20010030478"   "20020047395"   "20020112341"   "20020113506"   "20030146668"   "20030178903"   "20040256936"   "20050012415"   "20050116562"   "3701911"   "4471246"   "5414316"   "5945756"   "6040647"   "6204579"   "6437464"   "6452299"   "6718617"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:31

		"6803689").PN. OR ("7605508").URPN.				
S109	34	("3234418"   "3508327"   "3684907"   "3701911"   "3711732"   "3906164"   "4076989"   "4107559"   "4255681").PN. OR ("4471246").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:33
S110	2055	310/90.ccls. and rotor and shaft	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:35
S111	653	S110 and spring	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:35
S112	25	("0645247"   "3394295"   "4920295"   "5723928"   "5920127"   "6137195"   "6351050"   "6429611").PN. OR ("6555941").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:44
S113	36	("0645247"   "0829975"   "1194645"   "3250976"   "3648090"   "4546293"   "4554472"   "4562367"   "4694213"   "4920295"   "5130592"   "5233254"   "5455473"   "5486730"   "5627419"   "5677605"   "5723928"   "5739664"   "5821710"   "5834874"   "5973428"   "6181048"   "6191513"   "6249069"   "6329736").PN. OR ("6492753").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/27 17:46
S114	1615	310/91.ccls.	US-PGPUB; USPAT	ADJ	OFF	2009/10/28 11:32
S115	4952	motor and thermal\$3 near2 coefficient\$3 and bearing\$3 and (metal or steel)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 11:43
S116	538	motor and thermal\$3 near2 coefficient\$3 same bearing\$3 same (metal or steel)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 11:43

S117	30	("3178241"   "3833924"   "4302720"   "4770549"   "4997296"   "5052828"   "5059041"   "5065974"   "5094986"   "5112146"   "5197808"   "5214326"   "5235180"   "5373391"   "5380112"   "5393209"   "5532729"   "5596442"   "5596443"   "5775816"   "5900903"   "6033408"   "6048168"   "6142674"   "6304359"   "6396589"   "6589448").PN. OR ("6710487").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 13:10
S118	30	("3178241"   "3833924"   "4302720"   "4770549"   "4997296"   "5052828"   "5059041"   "5065974"   "5094986"   "5112146"   "5197808"   "5214326"   "5235180"   "5373391"   "5380112"   "5393209"   "5532729"   "5596442"   "5596443"   "5775816"   "5900903"   "6033408"   "6048168"   "6142674"   "6304359"   "6396589"   "6589448").PN. OR ("6710487").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 13:10
S119	1126	motor and thermal\$3 near2 coefficient\$3 same bearing\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 13:12
S120	1152	motor and thermal\$3 near2 (coefficient\$3 or constant) same bearing \$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 13:16
S121	286	S120 and pump\$3 and (metal\$3 or steel or iron)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 13:41
S122	4	S121 and pump near2 reciproc\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 14:25

S123	328	S120 and (pump\$3 or compressor) and (metal\$3 or steel or iron)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 14:26
S124	54	S123 and reciproc\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 14:27
S125	549	motor and thermal\$3 near2 (coefficient\$3 or constant) near2 (equal\$3 or "same") and bearing\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 15:57
S126	492	S125 and bearing\$3 and (metal\$3 or steel or iron)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 15:57
S127	139	S125 and bearing\$3 with (metal\$3 or steel or iron)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/10/28 15:57

10/ 29/ 2009 2:18:41 PM

C:\Documents and Settings\jkim3\My Documents\EAST\Workspaces\Motor-C\motor-21  
 \10550256.wsp